XVI. *An Obſervation of an* Eclipſe *of the* Moon, Dec. 12. 1749. *made at* Earith, *near* St. Ives, *in* Huntingdonſhire, *by Mr.* Wm. Elſtobb, *jun. communicated in a Letter to* Martin Folkes, *Eſq; Pr. R. S.*

Read Dec. 21. 1749.

AT 7 at Night the Umbra came on the lower Limb of the Moon, almoſt directly under the Spot called *Tycho*, in *Keil*'s Map of the Moon.

At 2 Min. $\frac{3}{4}$ after 7, the Penumbra overſpread *Tycho*.

At 6 Min. after 7, the Umbra approached the lower Part of *Mare Humorum*, and *Tycho* immerged into the Umbra.

At 21 Min. after 7, *Mare Humorum* totally immerged into the Umbra.

At 41 Min. after 7, the lower Part of *Mare Nectaris* immerged into the Umbra.

At 57 Min. after 7, the North-Eaſt Limb began to evolve itſelf; and that Part of the Limb below the Spot called *Grimaldus*, began to appear brighter, than when the Penumbra covered it.

At 9 Min. after 8, the upper Part of *Mare Humorum* emerged from the Umbra.

At 21 Min. after 8, *Mare Humorum* totally emerged.

At 45 Min. $\frac{1}{2}$ after 8, *Tycho* emerged from the Umbra.

At 51 Min. $\frac{1}{4}$ after 8, the Penumbra left *Tycho*.

At

At 54 Min. $\frac{1}{2}$ after 8, *Mare Nectaris* emerged from the Umbra.

At 9, the Penumbra left *Mare Nectaris*.

At 4 Min. $\frac{3}{4}$ after 9, *Mare Fecunditatis* emerged from the Umbra.

At 16 Min. after 9, the Umbra left the Moon a little below *Mare Fecunditatis*.

At 18 Min. after 9, the Penumbra went off, and the Eclipſe ended.

At the Time of the greateſt Obſcuration, the Edge of the Umbra paſſed below *Grimaldus*; approached the lower Part of *Peninſula Fulgurum*; paſſed over the upper Part of *Mare Nectaris*, and croſſed about the Middle of *Mare Fecunditatis*. The Edge of the Umbra did not ſeem to make one regular Curve, but looked like two Curves, meeting in a very obtuſe Angle near *Peninſula Fulgurum*. And that Part of the Moon, immerſed in the Umbra, was not viſible.